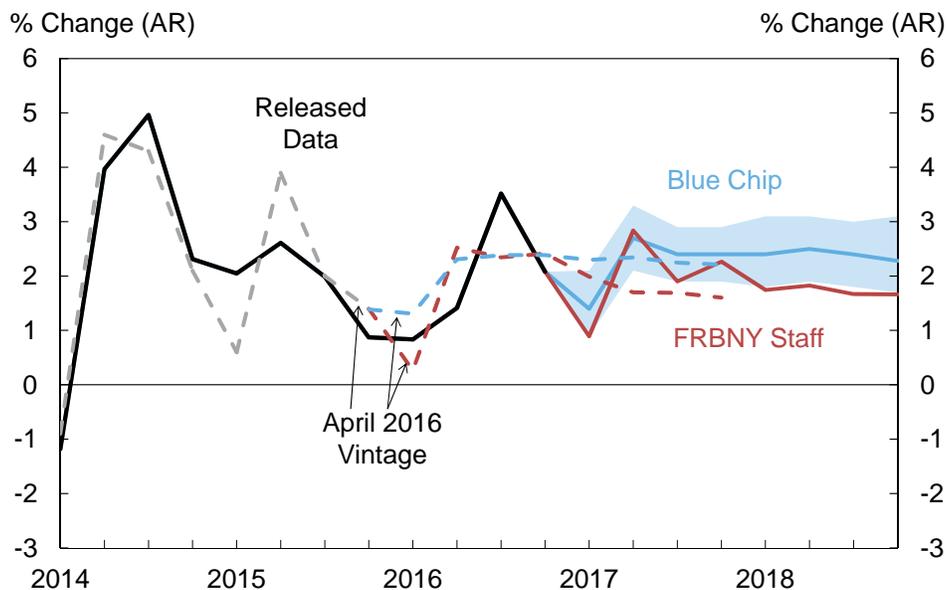


Staff GDP Forecast Summary

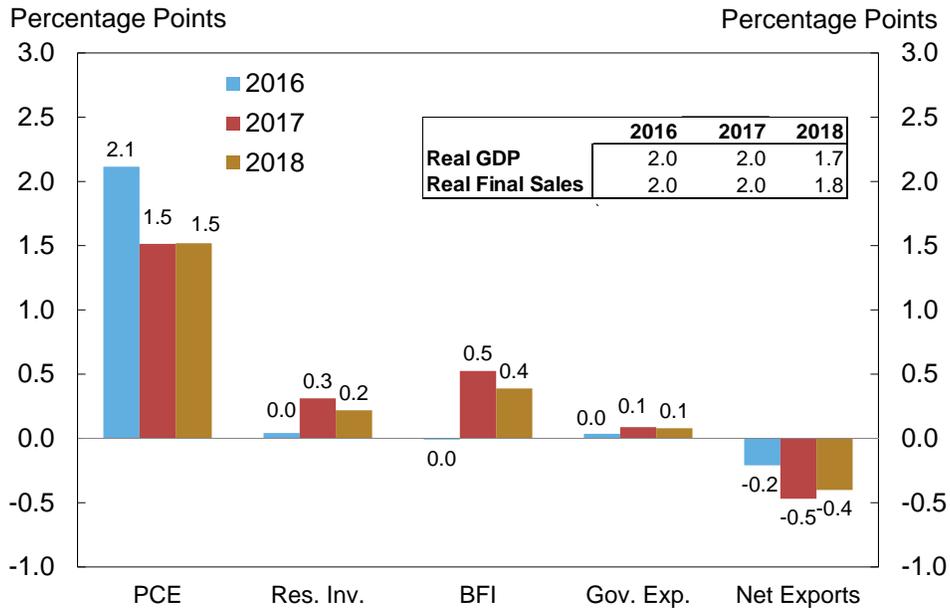
- Real growth: about 2% (Q4/Q4) in 2017 and 1¾% in 2018.
 - Forecast for 2017 somewhat stronger than presented at April 2016 EAP.
 - Below Blue Chip consensus, particularly for 2018, likely due in part to the fact that we have not incorporated fiscal stimulus.
- Outlook reflects countervailing factors.
 - Positives:**
 - Adverse effects of past dollar appreciation and commodity price declines are largely behind us.
 - Labor market at or near full employment, generating solid income growth.
 - Household balance sheet is stronger; financial obligations ratio remains low.
 - Housing market continues on gradual uptrend despite somewhat higher mortgage interest rates.
 - Negatives:**
 - Sustained drag from net exports.
 - Relatively sluggish growth of business fixed investment.

Real GDP Growth Forecasts



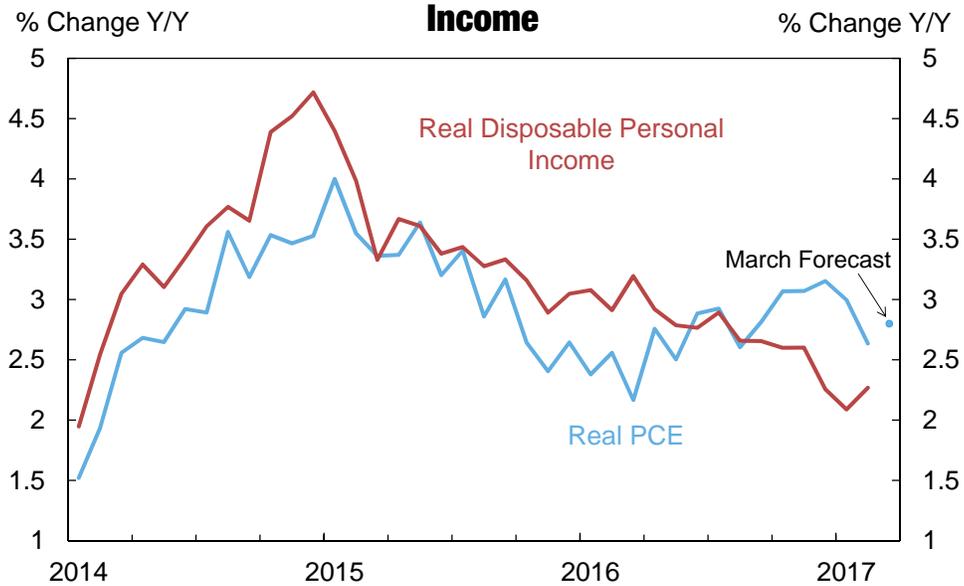
Note: The blue band represents the top 10 and bottom 10 averages of the Blue Chip survey.
 Source: FRBNY Staff, BEA, and Blue Chip Economic Indicators

GDP Growth Contributions: 2016-18



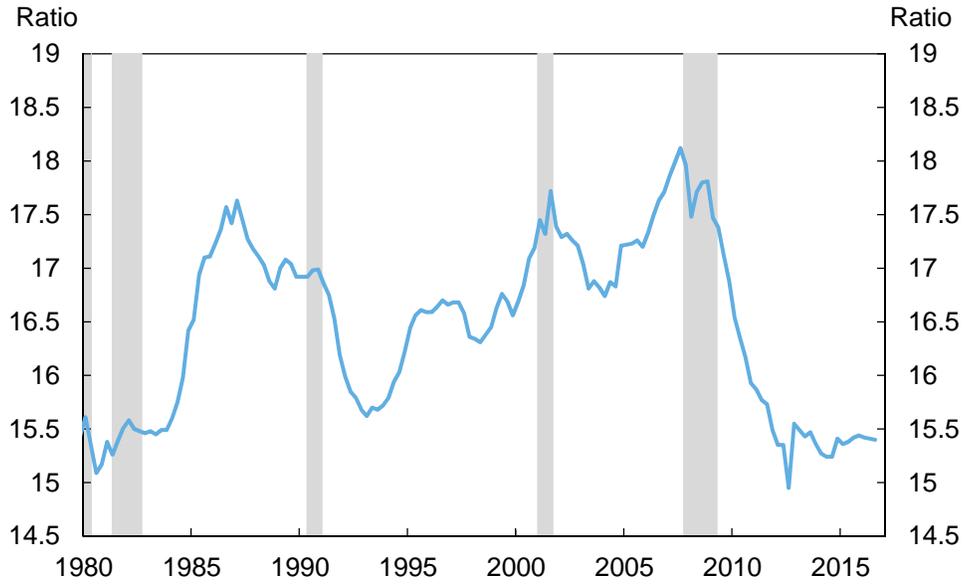
Source: FRBNY Staff and Bureau of Economic Analysis

Real Personal Consumption Expenditures vs Real Disposable Income



Source: Bureau of Economic Analysis via Haver Analytics

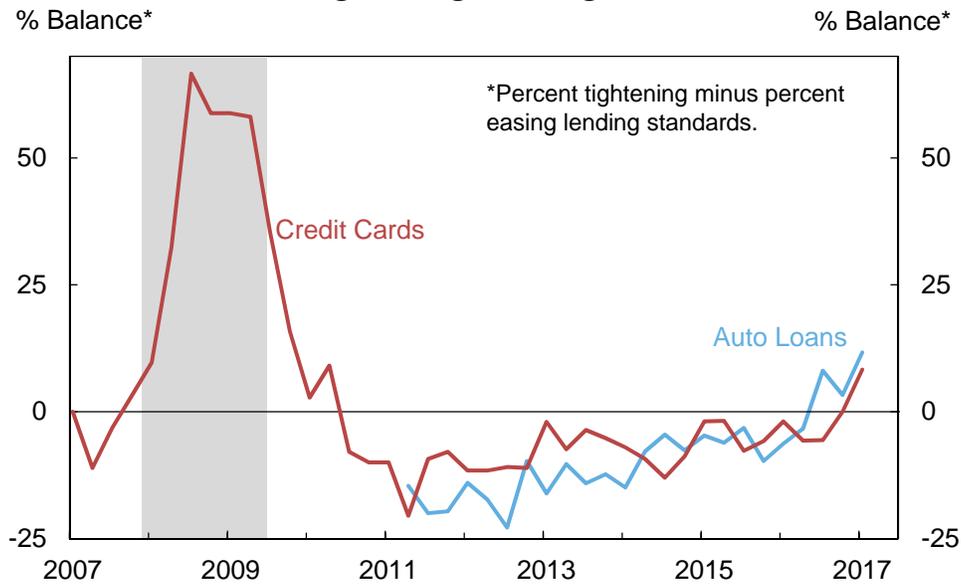
Household Financial Obligations Ratio



Source: Federal Reserve Board.

Note: Shading shows NBER recessions.

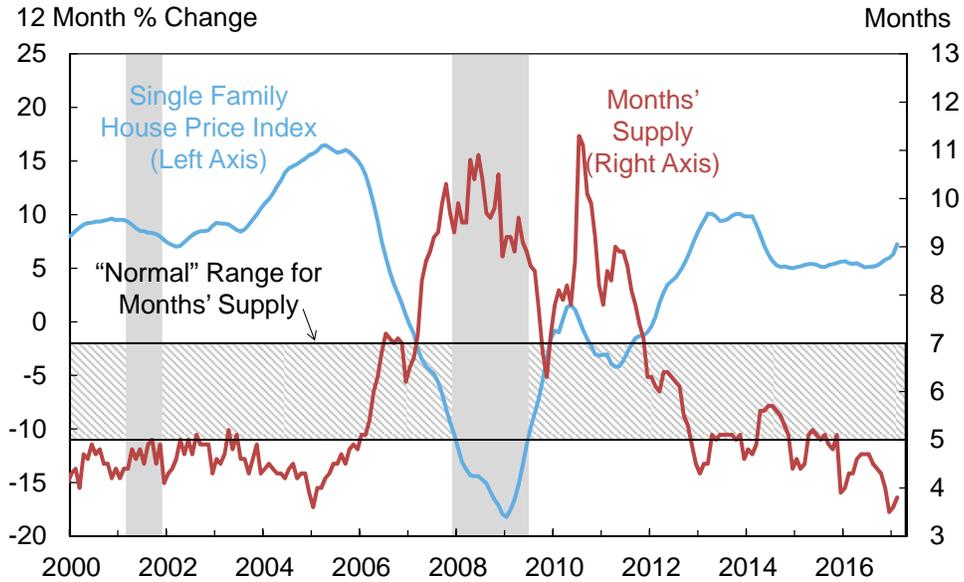
Banks Tightening Lending Standards



Source: Federal Reserve Board via Haver Analytics

Note: Shading shows NBER recessions.

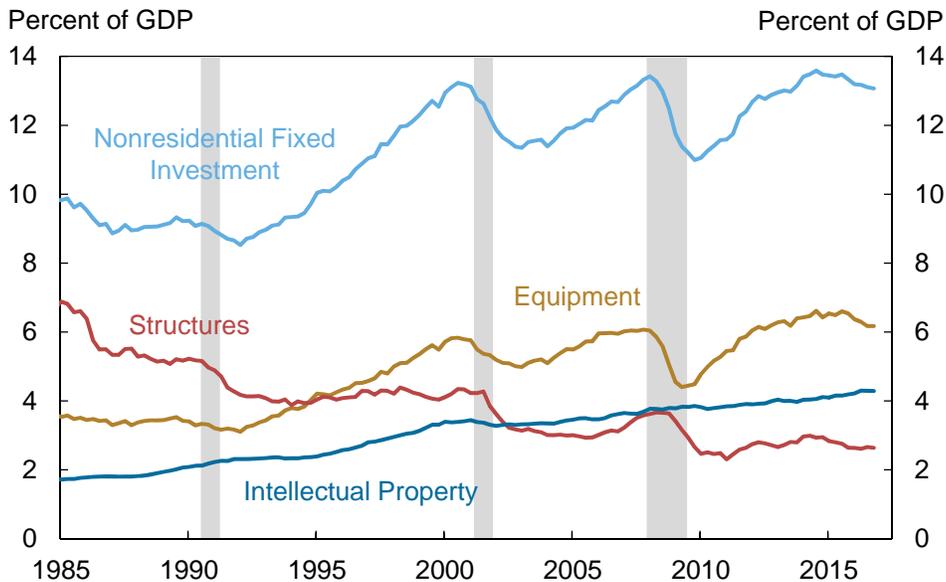
Single Family Housing Market



Source: CoreLogic, National Association of Realtors, via Haver Analytics

Note: Shading shows NBER recessions.

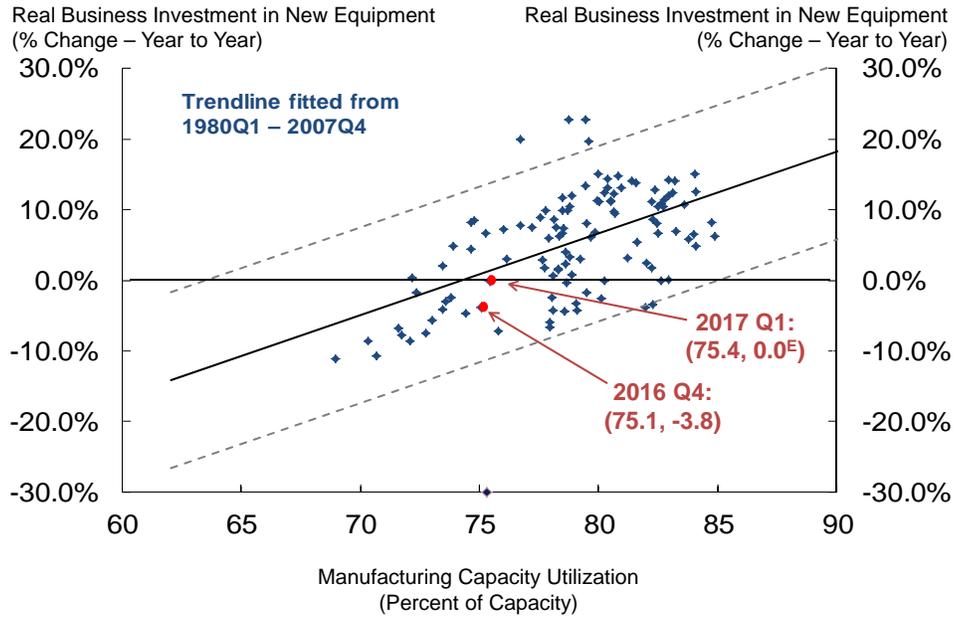
Real Private Nonresidential Fixed Investment



Source: Bureau of Economic Analysis via Haver Analytics

Note: Shading shows NBER recessions.

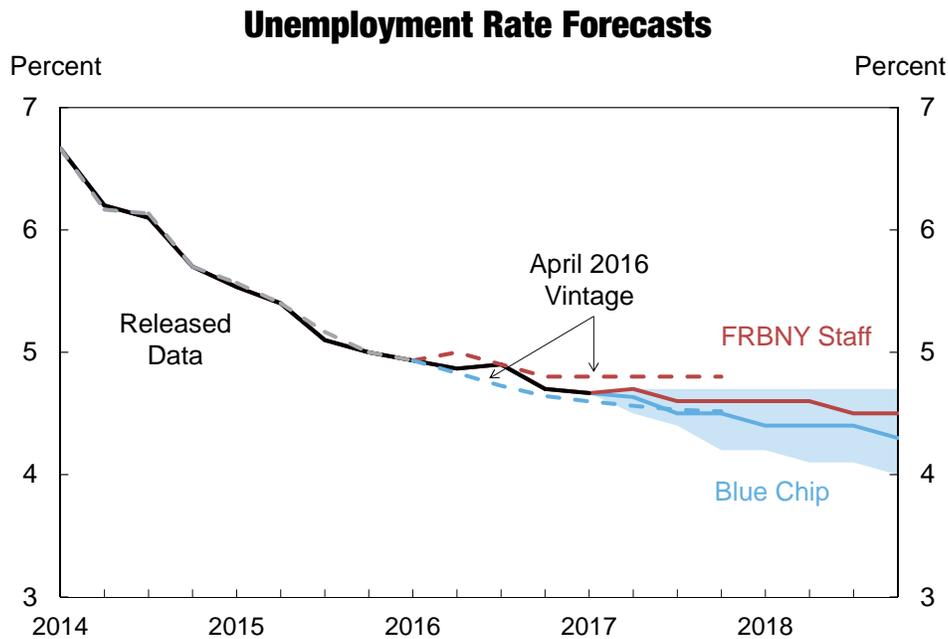
Equipment Investment and Capacity Utilization



Source: Federal Reserve Board, Bureau of Economic Analysis

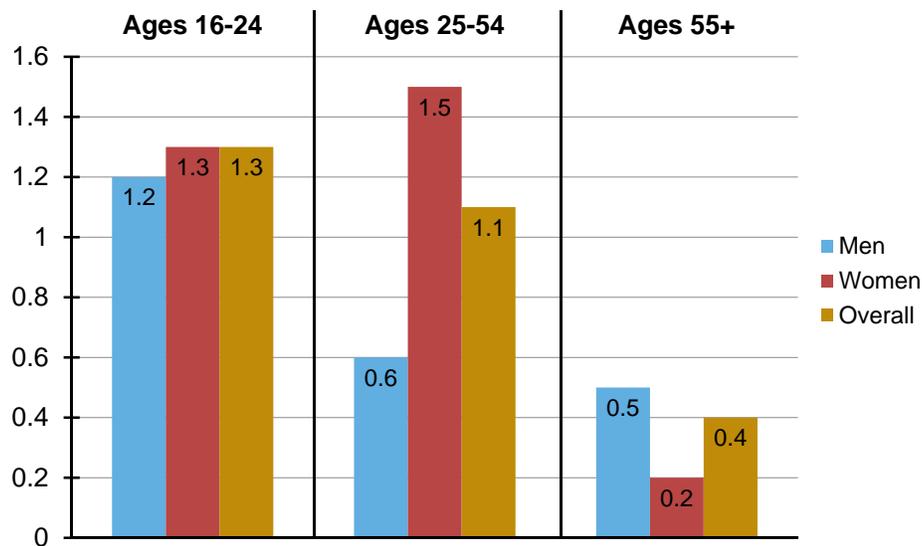
Staff Unemployment Rate Forecast Summary

- Near- to modestly above-potential growth leads to unemployment rate of just above 4½% at end-2017 and 4½% at end-2018.
 - Below FRBNY forecast at April 2016 EAP.
 - Higher path for unemployment rate than Blue Chip consensus.
- Factors underlying this forecast.
 - Population growth somewhat under 1%.
 - Productivity growth gradually rising back toward assumed trend rate of 1¼% NFBS-basis (1% GDP-basis).
 - Participation rate rises slightly over 2017 and 2018.
 - Slight uptick in average weekly hours.



Note: The blue band represents the top 10 and bottom 10 averages of the Blue Chip survey.
Source: FRBNY Staff, BEA, and Blue Chip Economic Indicators

LFP Change from Sep. 2015 to Mar. 2017



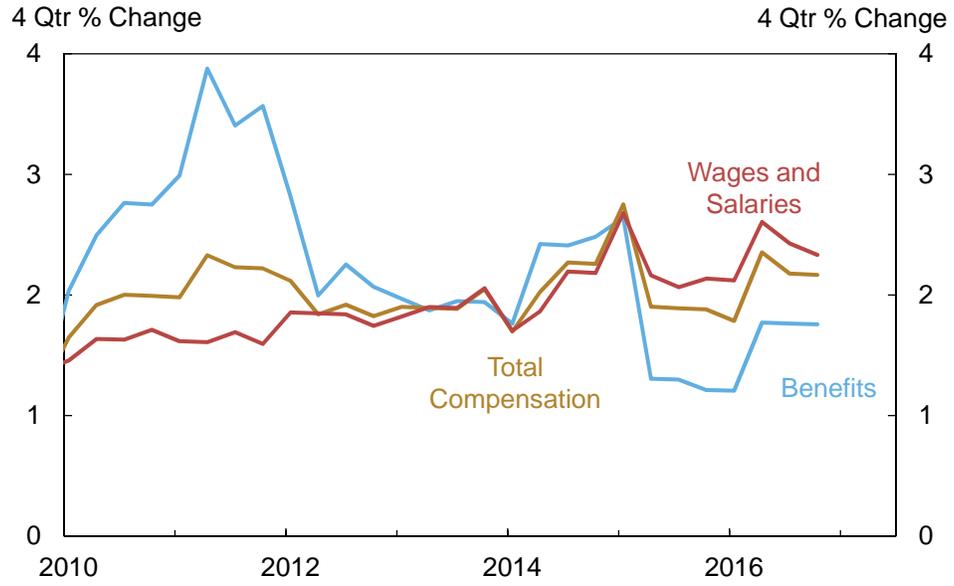
Source: Bureau of Labor Statistics
via Haver Analytics

Labor Force Participation Rate Projections

Date	FRBNY Projection	Demographics Only, Age-specific Rates Fixed		Age-specific Rates Rise as 2015- 2017		
		2015-2017 average	2017Q1 average	Young	Prime- age	Young & Prime-age
2017						
2017 Q1	62.97	62.97	62.97	62.97	62.97	62.97
2017 Q2	63.00	62.54	62.88	62.65	62.87	62.97
2017 Q3	63.03	62.54	62.88	62.67	62.95	63.07
2017 Q4	63.05	62.54	62.88	62.69	63.02	63.17
2018 Q1	63.08	62.40	62.73	62.57	62.96	63.12
2018 Q2	63.10	62.40	62.73	62.59	63.04	63.22
2018 Q3	63.13	62.40	62.73	62.61	63.11	63.32
2018 Q4	63.15	62.40	62.73	62.63	63.19	63.42

Source: FRBNY staff calculations.

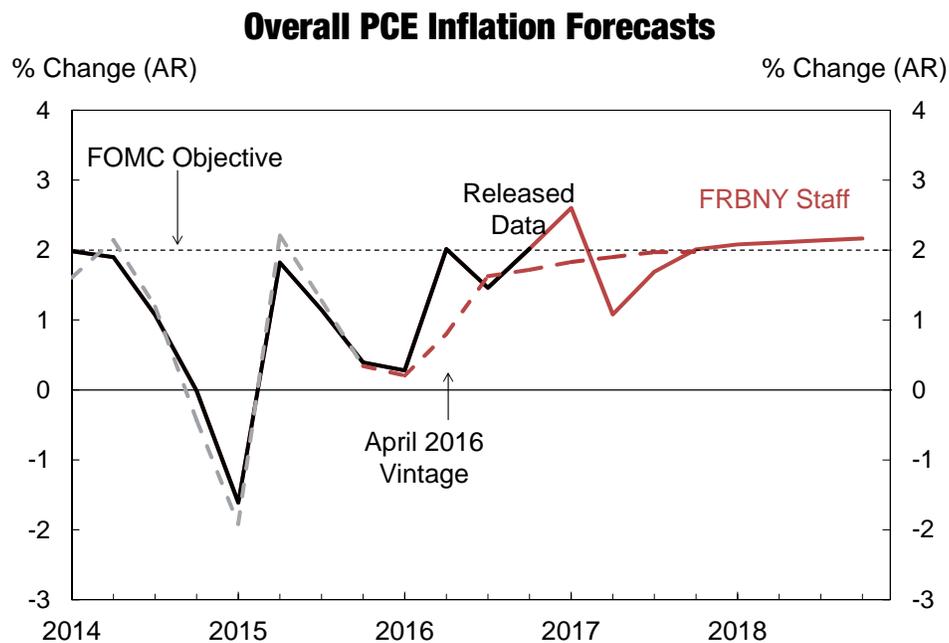
Employment Cost Index: Private Industry Workers



Source: Bureau of Labor Statistics via Haver Analytics

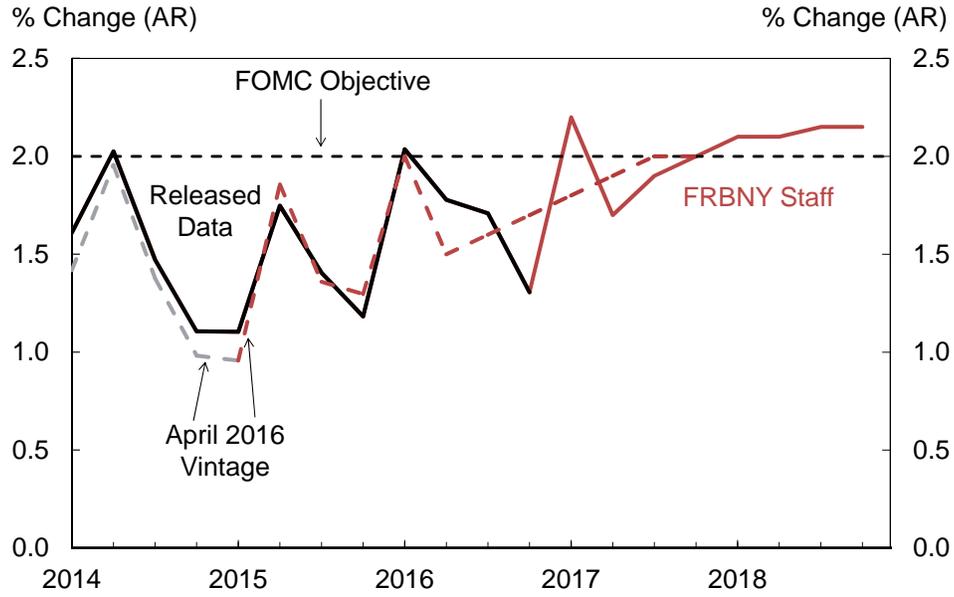
Staff Inflation Forecast Summary

- As energy and import prices stabilize, inflation anticipated to be near FOMC's longer-run goal.
 - Total inflation slightly below core in 2017 due to actual and projected declines in energy prices.
 - Core PCE inflation projected to be about 2% in 2017 and slightly above in 2018.
- Underlying assumptions.
 - Well-anchored longer-run inflation expectations.
 - Downward pressure on goods prices from past dollar appreciation fades over forecast horizon.
 - Firming of global demand.
 - Dissipation of remaining slack by end of 2017.



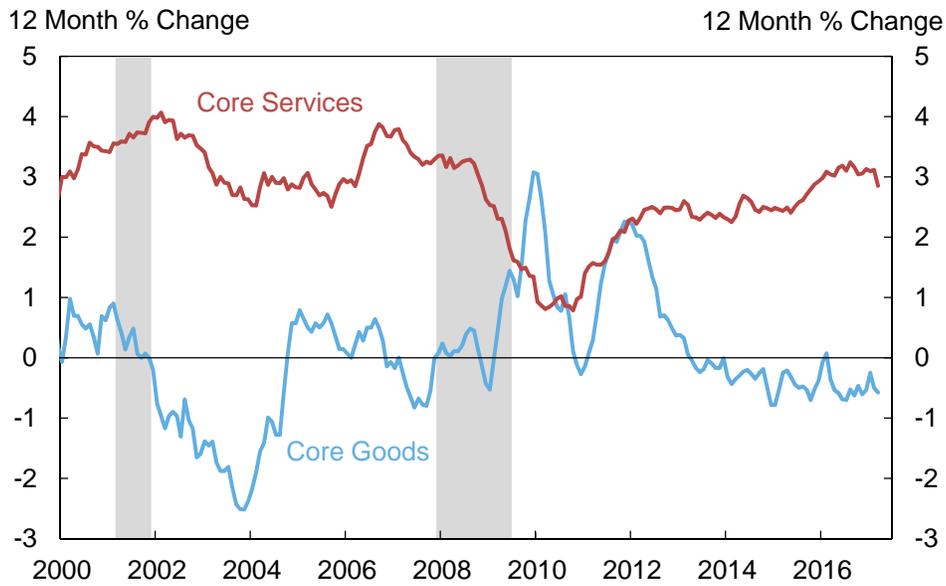
Source: FRBNY Staff and Bureau of Economic Analysis

Core PCE Inflation Forecasts



Source: FRBNY Staff and Bureau of Economic Analysis

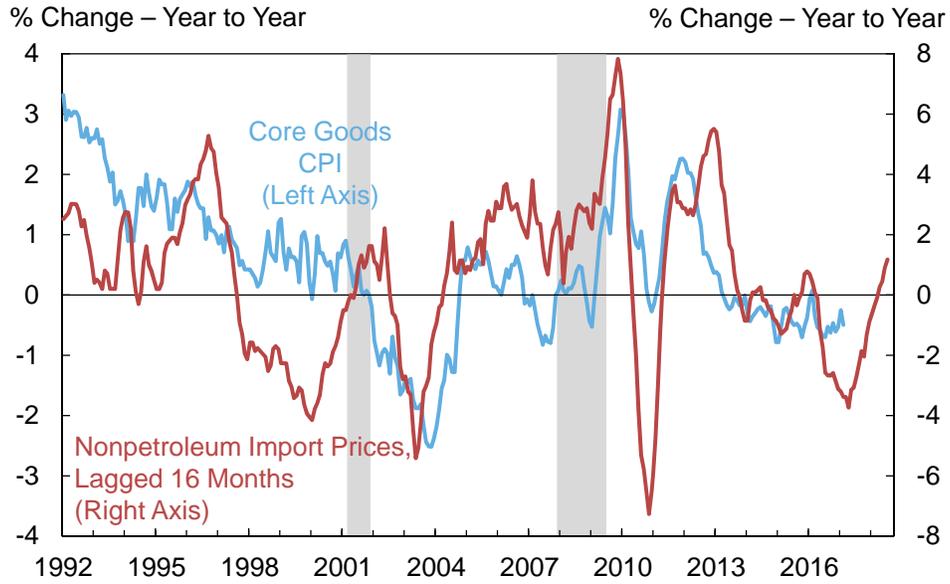
CPI Core Goods and Core Services Inflation



Source: Bureau of Labor Statistics

Note: Shading shows NBER recessions.

Core Goods CPI and Import Price Index



Source: Bureau of Labor Statistics via Haver Analytics

Note: Shading shows NBER recessions.

Risks to FRBNY Staff Real Activity Outlook

- Risks to staff growth forecast are roughly balanced.

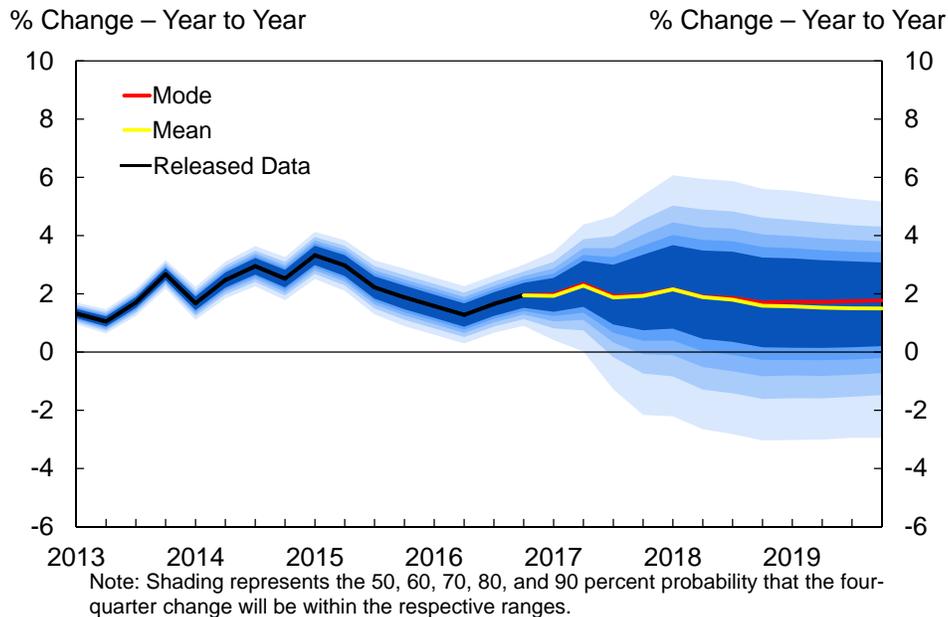
Upside:

- A fiscal package of tax cuts and infrastructure spending is enacted relatively soon.
- Global growth strengthens more than anticipated, resulting in stronger growth of BFI and exports.

Downside:

- Policy uncertainty and geopolitical risks remain unresolved, leading to a pullback in private spending.
- Credit supply restraint leads to weaker spending on consumer durable goods and housing.

Real GDP Growth Forecast Distribution



Risks to FRBNY Staff Inflation Outlook

- Risks to staff inflation forecast are roughly balanced.

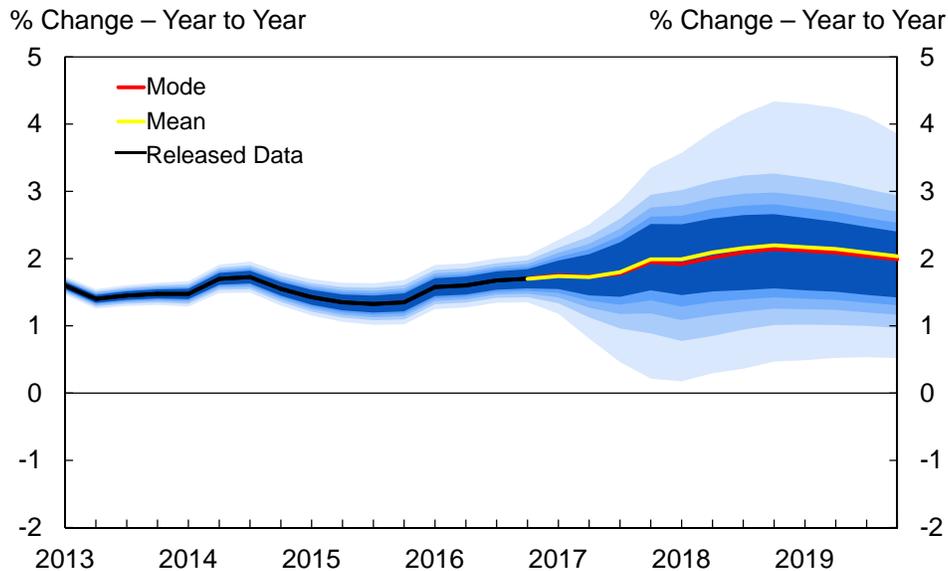
Upside:

- Fiscal stimulus boosts demand more than supply over the forecast horizon.
- The anticipated increase in core goods prices turns out to be stronger than expected.

Downside:

- Global disinflationary pressures reemerge.
- Inflation expectations becoming unanchored to the downside because of persistent low inflation.

Core PCE Inflation Forecast Distribution



Note: Shading represents the 50, 60, 70, 80, and 90 percent probability that the four-quarter change will be within the respective ranges.

REFERENCE SLIDES

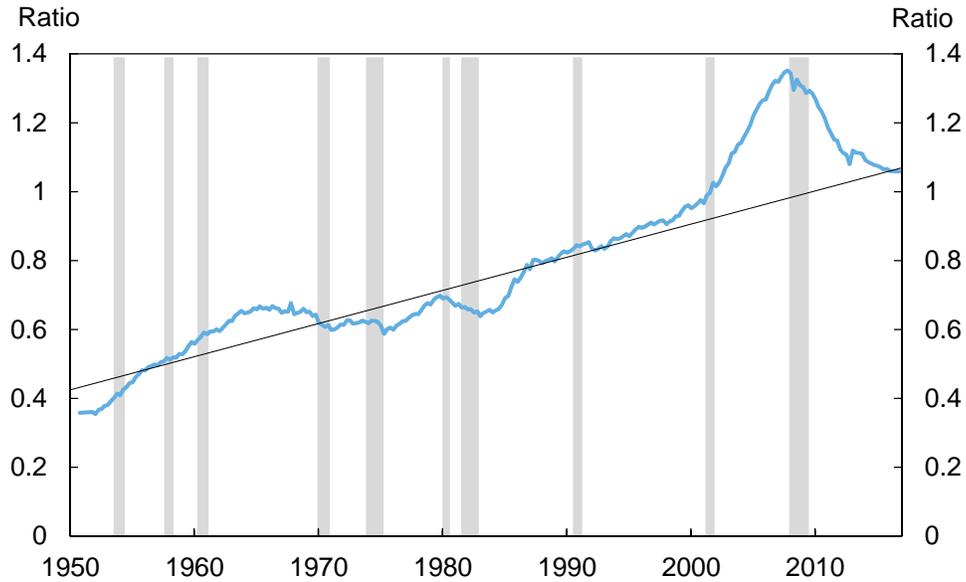
Evidence of Residual Seasonality

Average Percentage Point Deviation from Average Quarterly Real GDP Growth Rate

	20-years	15-years	10-years	5- years
Q1	-0.9	-0.8	-1.4	-0.6
Q2	0.6	0.4	0.8	0.1
Q3	0.3	0.5	0.6	0.8
Q4	0.1	-0.1	0.0	-0.2

Source: BEA, FRBNY staff calculations.

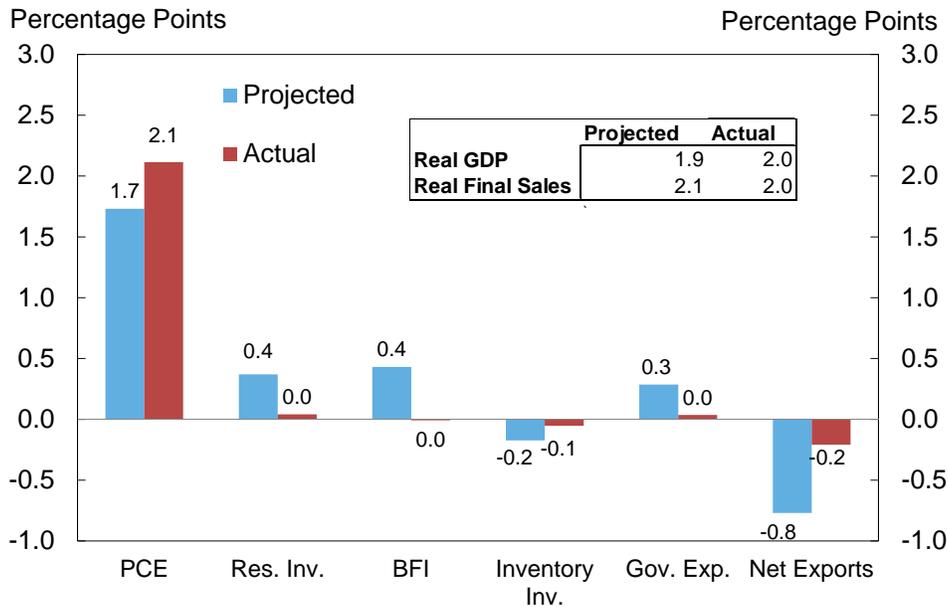
Household Liabilities/Disposable Personal Income



Source: Federal Reserve Board

Note: Trendline estimated from 1950 to 2000.
Shading shows NBER recessions.

Projected vs. Actual 2016 GDP Growth Contributions



Source: FRBNY Staff and Bureau of Economic Analysis

FRBNY Forecast Details

	2016 Q4	2017 Q1	2017 Q2	2016 Q4/Q4	2017 Q4/Q4	2018 Q4/Q4
Summary	<i>Actual</i>	04/18	04/18	Actual	04/18	04/18
Real GDP	<i>2.1</i>	0.9	2.8	<i>2.0</i>	2.0	1.7
Total PCE Deflator	<i>2.0</i>	2.6	1.1	<i>1.4</i>	1.8	2.1
Core PCE Deflator	<i>1.3</i>	2.2	1.7	<i>1.7</i>	1.9	2.1
Nonfarm Business Sector						
Output	<i>2.4</i>	0.9	3.1	<i>2.2</i>	2.2	1.9
Hours	<i>1.0</i>	0.9	1.4	<i>1.2</i>	1.3	1.0
Productivity Growth	<i>1.3</i>	0.0	1.8	<i>1.0</i>	0.9	0.9
Compensation	<i>3.0</i>	3.0	3.1	<i>3.0</i>	3.0	3.4
Unit Labor Costs	<i>1.7</i>	3.0	1.3	<i>2.0</i>	2.1	2.5
Real GDP Growth Contributions**						
Final Sales to Domestic Purchasers	<i>2.9</i>	1.5	3.1	<i>2.2</i>	2.4	2.2
Private	<i>2.9</i>	1.5	2.9	<i>2.1</i>	2.4	2.1
Consumption	<i>2.4</i>	0.5	2.2	<i>2.1</i>	1.5	1.5
BFI: Equipment	<i>0.1</i>	0.4	0.2	<i>-0.2</i>	0.2	0.1
BFI: Nonresidential Structures	<i>-0.1</i>	0.1	0.1	<i>0.0</i>	0.1	0.1
BFI: Intellectual Property Products	<i>0.1</i>	0.2	0.2	<i>0.2</i>	0.2	0.2
Residential Investment	<i>0.4</i>	0.4	0.2	<i>0.0</i>	0.3	0.2
Government	<i>0.0</i>	0.0	0.1	<i>0.0</i>	0.1	0.1
Federal	<i>-0.1</i>	0.0	0.0	<i>0.0</i>	0.0	0.0
State and Local	<i>0.1</i>	0.0	0.1	<i>0.0</i>	0.1	0.1
Inventory Investment	<i>1.0</i>	-0.4	0.3	<i>-0.1</i>	0.0	-0.1
Net Exports	<i>-1.8</i>	-0.3	-0.6	<i>-0.2</i>	-0.5	-0.4
Exports	<i>-0.6</i>	0.1	0.0	<i>0.2</i>	0.1	0.2
Imports	<i>-1.3</i>	-0.4	-0.6	<i>-0.4</i>	-0.6	-0.6
Real GDP Components' Growth Rates						
Final Sales to Domestic Purchasers	<i>2.8</i>	1.5	3.0	<i>2.1</i>	2.4	2.1
Consumption	<i>3.5</i>	0.8	3.2	<i>3.1</i>	2.2	2.2
BFI: Equipment	<i>2.0</i>	6.5	4.0	<i>-3.8</i>	4.1	2.0
BFI: Nonresidential Structures	<i>-1.9</i>	3.0	4.0	<i>1.9</i>	3.5	2.5
BFI: Intellectual Property Products	<i>1.3</i>	5.0	5.0	<i>4.3</i>	5.0	5.0
Residential Investment	<i>9.6</i>	10.5	5.0	<i>1.1</i>	8.1	5.3
Government: Federal	<i>-1.2</i>	-0.3	-0.3	<i>-0.2</i>	-0.4	-0.7
Government: State and Local	<i>1.0</i>	0.2	1.3	<i>0.4</i>	1.1	1.2
Inventory Investment	<i>n/a</i>	n/a	n/a	<i>n/a</i>	n/a	n/a
Net Exports	<i>n/a</i>	n/a	n/a	<i>n/a</i>	n/a	n/a
Exports	<i>-4.5</i>	0.8	0.2	<i>1.5</i>	1.0	1.8
Imports	<i>8.9</i>	2.6	4.3	<i>2.6</i>	4.0	4.2
Labor Market						
Nonfarm Payroll Employment (Average per Month, Thousands)	<i>170</i>	184	70	<i>194</i>	133	111
Unemployment Rate***	<i>4.7</i>	4.7	4.7	<i>4.7</i>	4.6	4.5
Income						
Real Disposable Personal Income	<i>2.0</i>	1.1	3.2	<i>2.0</i>	2.4	2.0
Personal Saving Rate***	<i>5.5</i>	5.6	5.6	<i>5.5</i>	5.5	5.2

*End-of-period value

**Growth contributions may not sum to total due to rounding.

***Quarterly values are the average rate for the quarter. Yearly values are the average rate for Q4 of the listed ye

Blue and italic text indicate released data; darker colors